

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
4 November 2004 (04.11.2004)

PCT

(10) International Publication Number
WO 2004/093767 A1

(51) International Patent Classification⁷: **A61F 21/42**

(21) International Application Number:
PCT/US2004/011995

(22) International Filing Date: 16 April 2004 (16.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/463,802 18 April 2003 (18.04.2003) US

(71) Applicant (for all designated States except US): ASCENSION ORTHOPEDICS, INC. [US/US]; 8200 Cameron Road, Suite C-140, Austin, TX 78754-3823 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): OGILVIE, William, F. [US/US]; 1408 West 12th Street, Austin, TX 78703 (US).

(74) Agents: SAMPLES, Kenneth, H. et al.; Fitch, Even, Tabin & Flannery, Suite 1600, 120 South LaSalle Street, Chicago, IL 60603 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

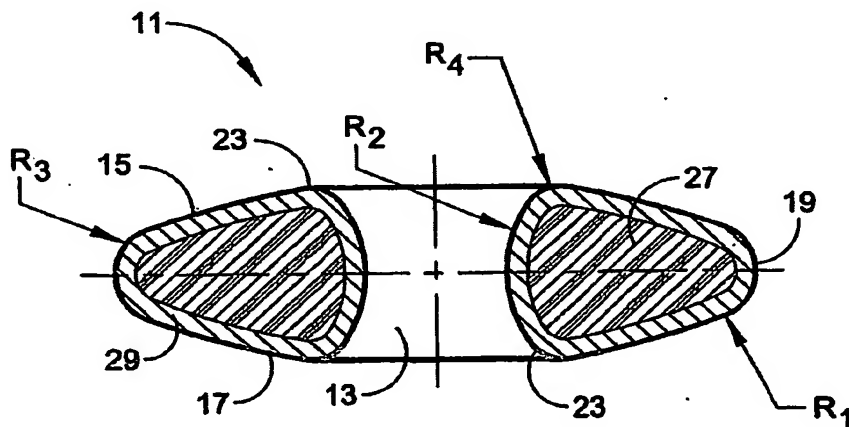
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: INTERPOSITIONAL BIARTICULAR DISK IMPLANT



(57) Abstract: An interpositional biarticular disk implant (11) having a circular peripheral rim, a generally toroidal axial center opening (13) and convex upper and lower surfaces (15, 17) is implanted between resected concave surfaces of the metacarpal base and the trapezium or other carpal bone in a CMC joint replacement. The disk (11) is anchored in operative position through the use of a flexible cord, such as a harvested tendon, that passes through the center opening (13) and through osseous passageways created in the two facing bones.

BEST AVAILABLE COPY